Redbook Efficiency Proposal

Draft proposal from DNRC based on conversations with Water Commissioners

- Produce detailed redbook in a known distribution project prior to irrigation season
    a. List of water rights and shared flow rates identified
    b. Maps with POD at TRQQ, centroid scale
    c. Produced prior to irrigation season for known distribution projects
- Produce rapid redbook for Commissioners- petitioned post start of irrigation season
    a. Map and course tabulation
    b. Two weeks turn around
- Continue to refine what is needed in the redbooks with Commissioners

Long-term

- DNRC to start building preliminary redbooks for "every" drainage during the winter
    a. Big Lift initially- but once template is available landowner/updates could occur yearly
- Configurable Water Commissioner App for mobile phone (DNRC built/owned)
    a. Water commissioner collects POD Lat/Long in the field that season (multiple years out)
        i. Ditch names/HG actual locations/Measuring Device locations
        ii. Color coded HG/MD/Ditches
        iii. Multiple layers with DNRC PODs vs WC actual points
        iv. WC can edit points/poly lines in the field
        v. Downloadable by DNRC then uploaded into database after QA/QC
        vi. Places of use
    b. DNRC updates the database, snaps to the NHD
- Water Rights Tabulation Commissioner App for mobile phone (DNRC built/owned)
        i. Filtered by priority
        ii. Filtered upstream-downstream
        iii. Figure out how to minimize all the supplemental rights
- Integration into the Water Rights Query System